



EUROPEAN MANUFACTURING INNOVATION

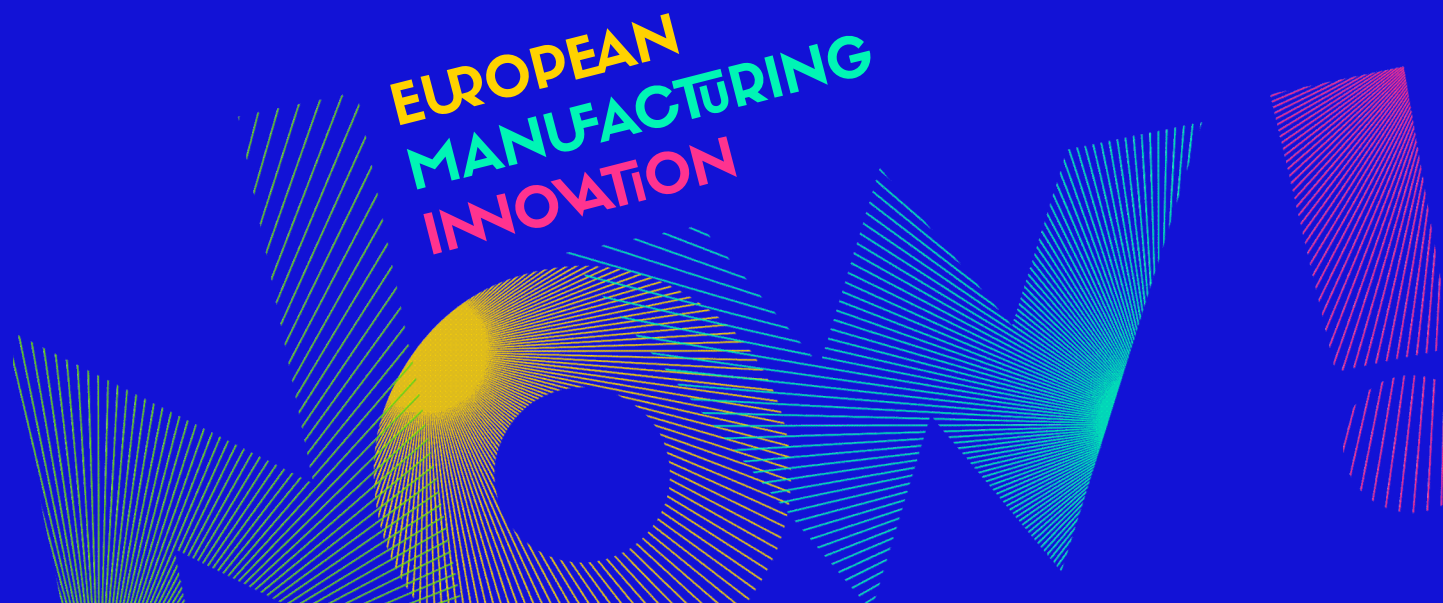


EIT Manufacturing is supported by the EIT,
a body of the European Union



Lovicospec

LOcalization and VIsualization of COntaminants through hyperSPECTral vision

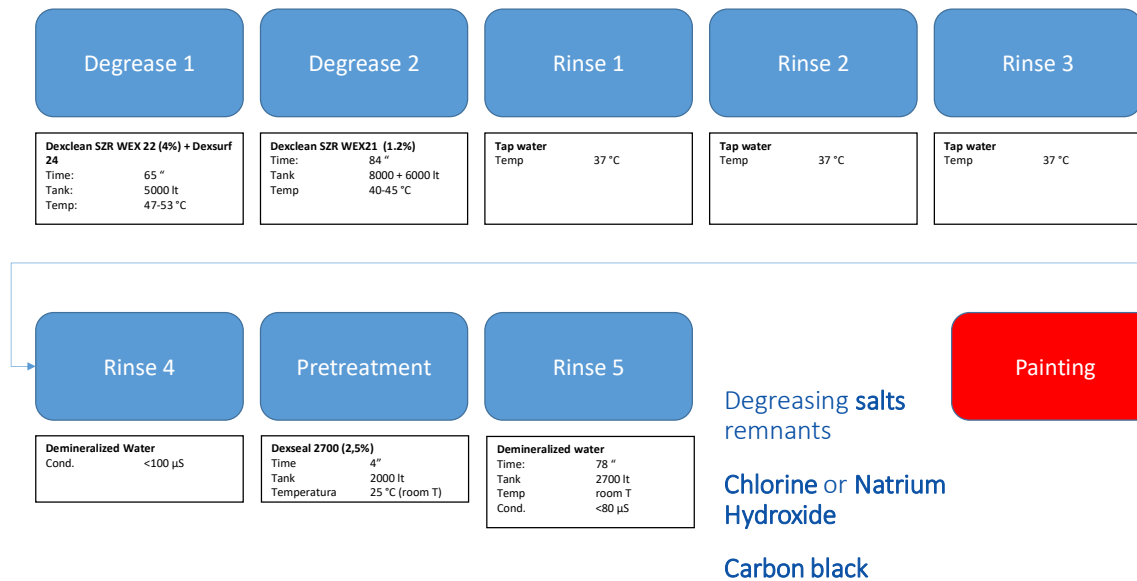


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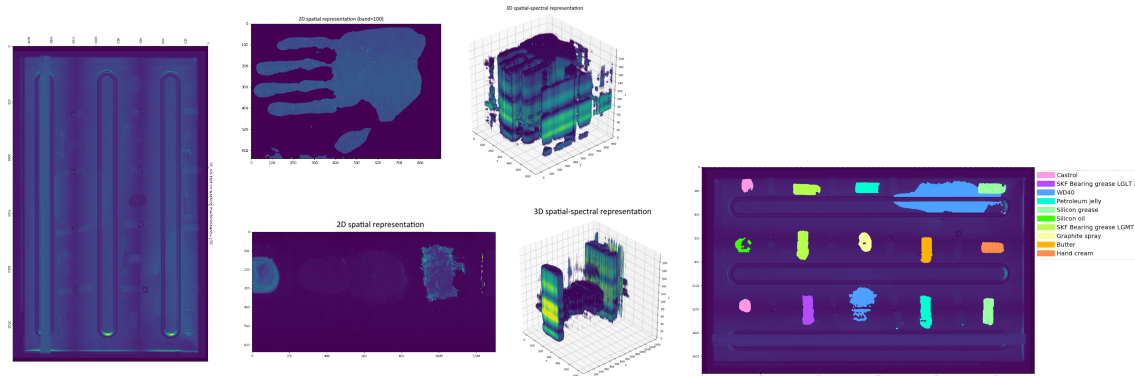
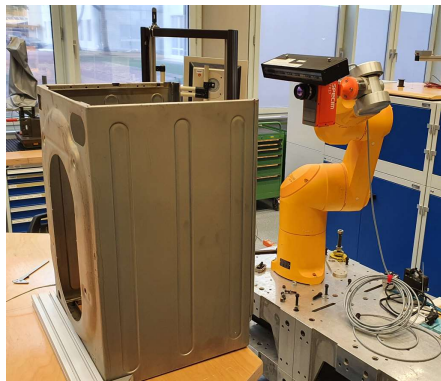
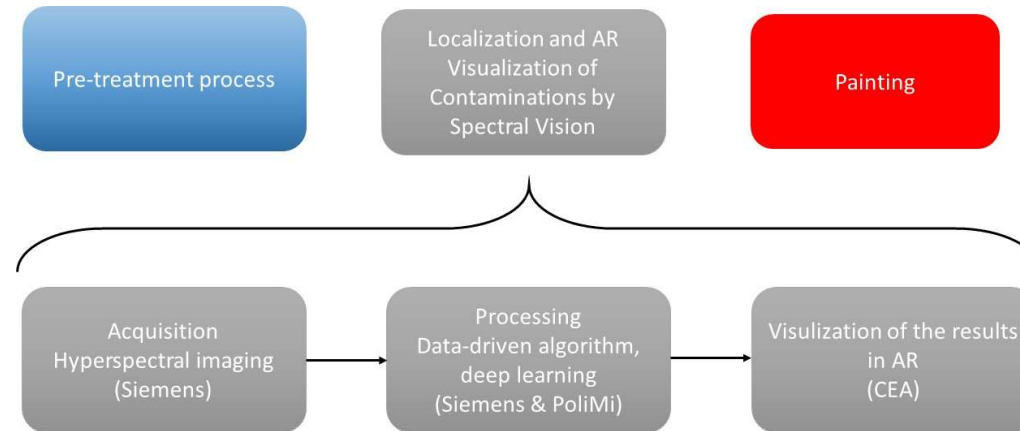
The manufacturing & societal challenge



Laminating lubricant
Press lubricant



The proposed solution



Expected benefits

- Improved awareness of stamping and cleaning process
 - Identification of contaminants nature and position
- Reduction of scraps – contaminated parts will not be painted with the risk of producing defective parts
- Process improvement to eliminate contaminants – 0 defect!

The role of EIT funding and support

- The right team: perfect synergy of competencies, experiences and capabilities
- The right time: 12 month duration push for high focus on results
- The right resources: >700k€ allows for a rich and complete activity
- The right flexibility: initial plan affected by COVID-19 has been remodulated to maximize results

Results so far & next steps

- > 10 contaminants detectable
- Full integration with Hololens



Contamination	
Background (metal)	Black
Tesa	White
Castrol	Red
SKF Bearing grease LGLT 2/0.2	Yellow
WD40	Green
Petroleum jelly	Cyan
Silicon grease	Blue
Silicon oil	Magenta
SKF Bearing grease LGMT 2/1	Orange
Graphite spray	Light Blue
Butter	Purple
Hand cream	Dark Blue

Further integration activities will be performed in next months



Manufacturing matters!

The manufacturing industry is a global base for **prosperity** and key to Europe's **economic, social** and **environmental** sustainability. Manufacturing is a main driver of **industrial innovation, job creation** and growth for the European society



Over **2.1 million** manufacturing enterprises



32 million jobs
(16% of the total EU working population)



Approx. **13 million** jobs in the growing high-tech manufacturing industry¹



16.1% of the share of EU-28 GDP² (2016)



Total turnover of EUR **7.11** trillion³